

## CLAIMS

1. A method for automatically calibrating a sound level meter by using a sound calibrator comprising the steps of:

generating a code signal based on sound from the sound calibrator;

allowing the sound level meter to be switched into a calibration mode when receiving the code signal; and

automatically calibrating the sound level meter so as to adjust the value indicated by the sound level meter to be a calibration sound pressure level of the code signal by using the sound calibrator.

2. A system for automatically calibrating a sound level meter by using a sound calibrator, wherein the sound calibrator comprises a code signal generating means for generating a code signal based on sound and a calibration sound pressure generating means for generating calibration sound pressure, and the sound level meter comprises a code signal discriminating means for discriminating the code signal, a mode switching means for switching into a calibration mode in response to discrimination of the code signal discriminating means and a gain adjusting means for adjusting a gain of an amplifier such that the indicated value corresponds to the level of the calibration sound pressure in the calibration mode.

3. The system for automatically calibrating a sound level meter according to claim 2, wherein the sound calibrator further comprises an information outputting means for outputting information such as a type or a manufacturing number of the sound calibrator in addition to information of the sound pressure.

4. The system for automatically calibrating a sound level meter according to claim 3, wherein the sound level meter further comprises a memory means for receiving a signal generated by the sound calibrator and recording information such as the calibration date and

time, the sound pressure, the type or the manufacturing number of the sound calibrator so as to keep a calibration history.